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PRODUCT SPECIFICATION

REV LTR	REVISION ISSUE DATE	APPROVED BY	REVISIONS
A	4/2/75	*Nale*	Original Issue
B	7/2/76	*Nale*	1-1 Added Related Documentation
			2-2 Added section on Renaming Output Tapes
C	9/28/76	*Nale*	Updated to Mark 6.1 Release level software
			2-1 Added SW 0 option explanation

RECEIVED

OCT 5 - 1976

GENERAL MANAGER
SANTA BARBARA PLANT

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BURROUGHS CORPORATION
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COMPANY CONFIDENTIAL
SYCOPY
P.S. 2212 5199

GENERAL

The SYCOPY program provides the user the means of duplicating,
comparing, or merging library (SYSTEM/LOAD.DUMP created) tapes
with multiple copy capabilities.

RELATED DOCUMENTATION

Name	Number
B1700 Software Operational Guide	1068731

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SYCOPY
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OPERATING INSTRUCTIONS

When SYCOPY is executed with SW 0 = 0, (which is the default condition), it will display:

        ENTER ACTION: CPY, CMP, CCM, OR MRG AND <TAPE COUNT>

to which the system operator must respond as follows:

        <mix-index> AX <Option> [<Integer>]

If SW 0 = 1, SYCOPY will receive its parameters from the card reader.

        ?DATA CARDS
        <Option>[<Integer>] (more than one card may be present)
        ?END

OPTION	SYCOPY ACTION
CPY	Prepare <Integer> copies of a library tape with no compare (See note below).
CMP	Compare only <Integer> tapes (See note below).
CCM	Prepare <Integer> copies of a library tape and compare all copies against the original (See note below). If any copied tape is not identical to the original, that tape is purged and the system operator is notified via the SPO. SYCOPY continues comparing the remaining tapes.
MRG	Merges the files from two library tapes to one tape (with <Integer> number of copies). The first input tape opened (primary tape) has an expected file-identifier of SYSTEM. The second

input tape opened (secondary tape) has an
expected file-identifier of UPDATE. Both
tapes may be ILed to the request for a
tape. (See note below). Duplicate files
will be eliminated, with the UPDATE file
taking precedence over the system file.

NOTE: From one to seven tapes may be specified as output. If
the <Integer> entry is omitted then one output tape is
assumed. Although SYCOPY requests an input tape with a
file-identifier of SYSTEM, any library tape may be ILed
to the request for a tape named SYSTEM and all output
file-identifiers are identical to the input (primary
tape) file-identifier if it has not been file equated.

At the completion of processing, SYCOPY displays the following
message:

        <Integer> TAPE(S) <Function>, (<Integer> DELETED)

where the first <Integer> specifies the number of tapes on which
the request function, (COPIED, COMPARED, COPIED AND COMPARED, or
MERGED) has successfully completed.

The second <Integer> indicates the number of tapes deleted, if any.

RENAMING OUTPUT TAPES

SYCOPY allows the user to change the name of the duplicated or
merged tape through file equation. Tape number (TAPE.<n>) is
equated to name (NAME<tapename>) for each copy desired with that
name. If no new name is specified, the default output label will
be that of the input file-identifier. Multiple copies may contain
a mixture of default and specified names, for up to seven tapes.

    Example:

            ?EX SYCOPY
            ?FI TAPE.1 NAME NEW.NAME;
            ?FI TAPE.2 NAME DUP.TAPE;

                          ?END

After the sample deck is entered through the card reader, SYCOPY
will then ask for an operator response (See OPTION list on p. 2-1)
and   perform the requested action, labelling the merged or copied
output   tapes as NEW.NAME and DUP.TAPE. If the user had requested
seven copies, the five other tapes in that execution would have
had default (input file-identifier) labels.

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ERROR MESSAGES

     INVALID ACTION <Input message>

     INVALID TAPE COUNT <Input message>
            TAPE COUNT cannot be less than 1 or greater than 7.

     PARITY ERROR <Unit-ID> - SYCOPY ABORTED
            Input file had a parity error.

     COMPARISON ERROR ON <Unit-ID>
            This output file did not match the input file.

     TAPES NOT IDENTICAL; SYCOPY ABORTED
            No tapes were valid and SYCOPY terminated at this point.

     <Unit-ID> NOT LIB TAPE
            The input file is not a library tape. The tape unit is
            CLOSED WITH LOCK, and the OPEN is re-issued.

ALPHABETIC INDEX: